Sustainment Solutions Envelope (SSE)

Presented at the Defense Standardization Program Conference, 16 March 2004

Overview

- **What is the SSE?**
- **How does it relate to the Future Logistics Environment (FLE)?**
- **Key Support Areas**
  - **Operational Concepts**
  - **Logistics Support/Sustainability**
  - **Engineering and Asset Management**
  - **Materiel Flow**
  - **Industry and Innovation**
  - **Integrated Knowledge Environment and Log C4I**
  - **People and Training**
  - **Reduced Total Ownership costs**
  - **Resource Management**
  - **Environment and Safety**

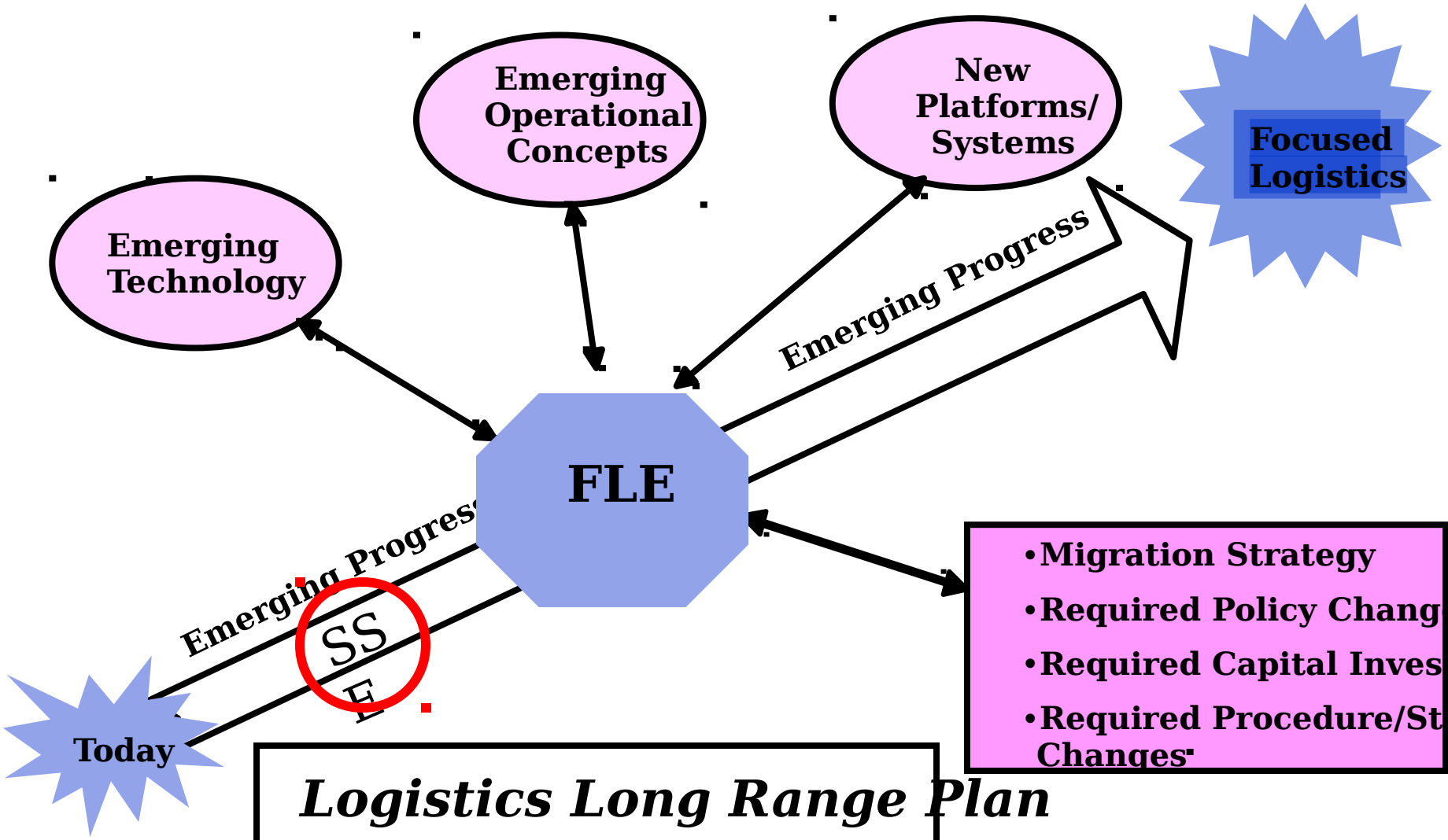
What Is The SSE?

-Guidelines for PMs in developing sustainment solutions

-Strategic framework for innovation

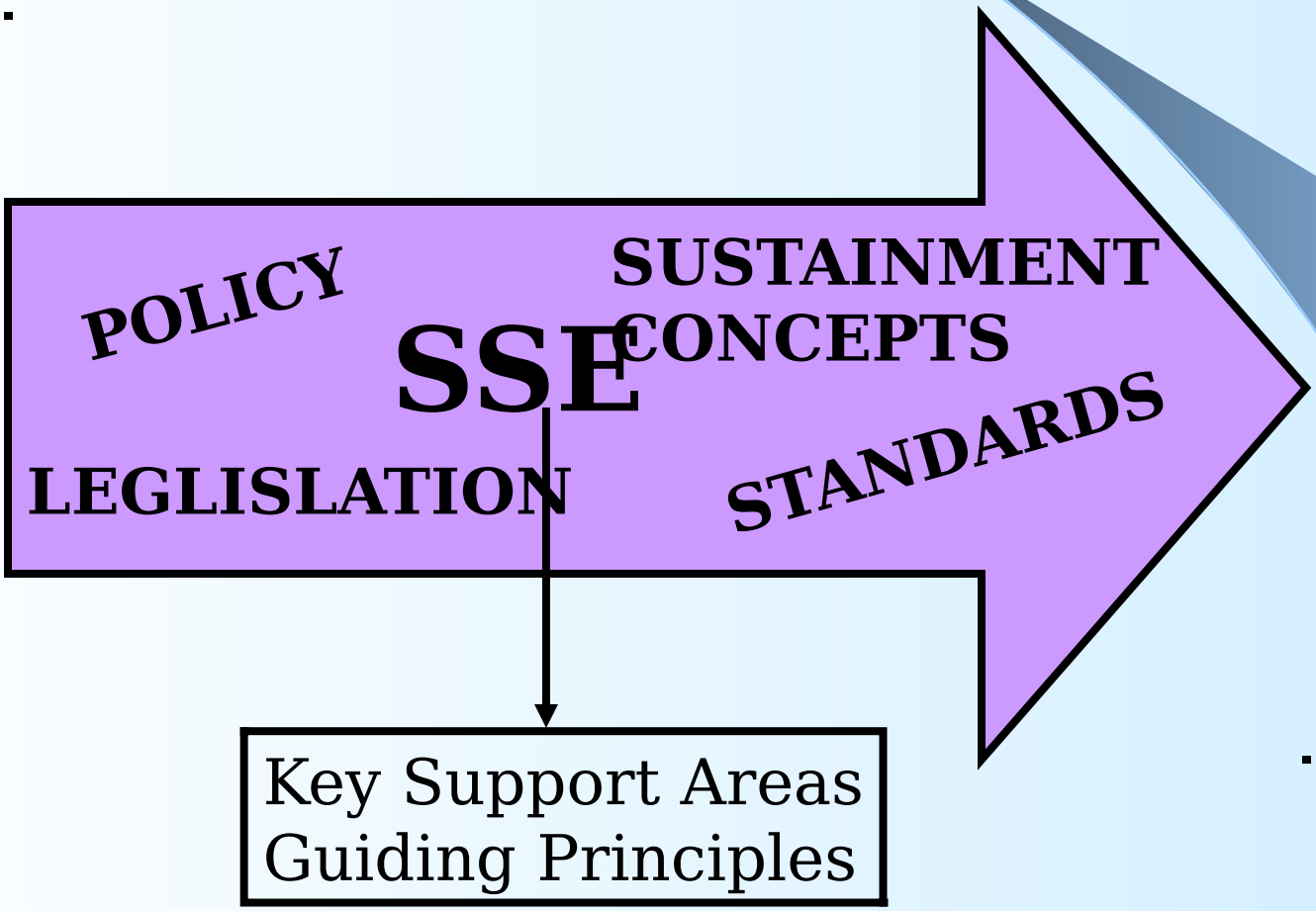
- Procedures to explore solutions that extend support “envelope”
- Methods to enhance best value solutions
- Interoperability with coalition partners

SSE To FLE


Emerging Technology
Emerging Operational Concepts
New Platforms/ Systems
Focused Logistics
Emerging Progress
FLE
Emerging Progress
SS
E
Today
•Migration Strategy
•Required Policy Changes
•Required Capital Investm
•Required Procedure/Stat
Changes
Logistics Long Range Plan
2000
2010
2020

SSE to Joint Materiel Standards Roadmap

Key Support Areas



Key Support Area

- **Operational Concepts**
  - Application of current and future logistics procedures, doctrine and concepts
  - Guiding Principles – Examples
    - Enable joint, single Service and coalition doctrine
    - Minimize the need for contractors on the battlefield
    - Seamless transition from peace to war

Key Support Area

- **Logistics Support / Sustainability**
  - Support generation, deployment, operations and recovery
  - Guiding Principles - Examples
    - Requirements must support worse case scenario
    - Forces must deploy with enough to support until resupply is established
    - War reserves will only be considered when support cannot be provided within required need time

Key Support Area

- **Engineering and Asset Management**
  - Delivery of performance through reliability, improved maintainability and end to end support
  - Guiding Principles - Examples
    - Corrosion prevention will be emphasized as a key element of R&M
    - Ease of maintenance will be demonstrated as part of test and acceptance process
    - Use of dehumidified preservation should be maximized
    - Product data will be developed consistent with **ISO 10301**
    - Obsolescence and diminishing manufacturing sources will be part of support strategy

Key Support Area

- **Materiel Flow**
  - Integrated supply chain that offers speed, certainty and affordability
  - Guiding Principles - Examples
    - Support strategies consistent with end to end process, from factory to consumer
    - Serial Item Management will identify populations of select items, to mark all items in population and enable generation, collection and analysis of maintenance data for specific item
    - Marking of military material will be IAW **MIL-STD-12P**, DOD Standard Practice, Military Marking for Shipment and Storage
    - Packaging will comply with **MIL-STD-2073-1D**, Standard practice for Military Packaging

Key Support Area

- **Industry and Innovation**
  - Relationship with industry to reduce costs and create value through logistics support chain
  - Guiding Principles - Examples
    - Solutions with industry will ensure sustainability and surge commensurate with warfighter needs
    - Public to Private Partnerships will be pursued when cost-effective and in adherence to CORE requirements
    - An exit strategy will be maintained to address contractual issues and user rights to ensure access to all contractor-provided support systems including support information data
    - Solutions should consider effect on the industrial base

Key Support Area

- **Integrated Knowledge Enterprise and Logistics Command, Control, Communication, Computing and Information (C4I)**
  - Integration of logistics data and extrapolation of knowledge without human intervention
  - Guiding Principles - Examples
    - Exploitation of information driven by integrated knowledge environment processes and linkage with generic portfolio of corporate information services and systems consistent with the Enterprise Integrated Data Environment Architecture
    - Logistics data requirements reside in the Logistics Data Strategy
    - Information must be structured to permit maximum flexibility in retrieval and processing. Web technology will be used
    - Data standards are critical to minimize internal and external interface information exchange requirements

Key Support Area

- **People and Training**
  - Timely acquisition, retention and training of logistics workforce
  - Guiding Principles - Examples
    - Training should be developed, tested and deployed as a co-equal subsystem
    - Minimize footprint and reduce reliance on contractors during contingencies

Key Support Area

- **Reduced Total Ownership Costs (TOC)**
  - Critical examination of TOC, including cost of operating, training, supporting, sustaining and disposing
  - Guiding Principles - Examples
    - Life cycle approach to include Cost As an Independent Variable and Value Engineering, supported by a Business Case Analysis is essential to balanced investment decisions
    - Appropriate funding must be included in the FYDP or POM, as budgeted by force provider in coordination with the PM
    - All key costing decisions should be recorded with sufficient supporting data to provide a management and audit trail

Key Support Area

- **Resource Management**
  - Management of financial processes to ensure accountability and optimum use of resources
  - Guiding Principles - Examples
    - Force providers will ensure funding is available for in-service support
    - When negotiating performance based agreements, PMs will use a range of performance levels
    - PMs will implement procedures and ensure systems to provide accurate accounting and performance information

Key Support Area

- **Environment and Safety**
  - Compliance with legal, regulatory and policy requirements for environment and safety
  - Guiding Principles - Examples
    - Solutions must comply with the law and DOD policy on safety (MIL STD-882, System Safety) and environmental protection in the logistics chain
    - Environmental and Safety impacts are to be prepared for new systems and applied through life of weapon system
    - DOD must comply with US or Host Nation statutory legislation and any other international legislation, agreement, protocol or convention to which the US is a signatory, unless an exemption is granted

Questions?